

Title (en)
Using allosteric hemoglobin modifiers to decrease oxygen affinity in blood

Title (de)
Verwendung allosterischer Hämoglobinmodifikatoren zur Verringerung der Sauerstoffaktivität im Blut

Title (fr)
Utilisation de modificateurs allostériques de l'hémoglobine pour la diminution de l'affinité de l'oxygène dans le sang

Publication
EP 1236711 A3 20020918 (EN)

Application
EP 02012781 A 19920519

Priority
• EP 92912561 A 19920519
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• US 88572192 A 19920518

Abstract (en)
[origin: EP1468680A2] A compound has been found to be useful for right-shifting hemoglobin towards a low oxygen affinity state. The compound is capable of acting on hemoglobin in whole blood. In addition, the compound can maintain the oxygen affinity in blood during storage and can restore the oxygen affinity of outdated blood.

IPC 1-7
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IPC 8 full level
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Citation (search report)
• [X] RAMNARAYAN S. RANDAD ET AL.: "Allosteric Modifiers of Hemoglobin. 1. Design, Synthesis, Testing, and Structure-Allosteric Activity Relationship of Novel Hemoglobin Oxygen Affinity Decreasing Agents", JOURNAL OF MEDICINAL CHEMISTRY., vol. 34, no. 2, February 1991 (1991-02-01), AMERICAN CHEMICAL SOCIETY. WASHINGTON., US, pages 752 - 757, XP002205822, ISSN: 0022-2623
• [A] FRED C. WIREKO ET AL.: "Allosteric Modifiers of Hemoglobin. 2. Crystallographically Determined Binding Sites and Hydrophobic Binding/Interaction Analysis of Novel Hemoglobin Oxygen Effectors", JOURNAL OF MEDICINAL CHEMISTRY., vol. 34, no. 2, February 1991 (1991-02-01), AMERICAN CHEMICAL SOCIETY. WASHINGTON., US, pages 758 - 767, XP002205823, ISSN: 0022-2623

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